

GENERALIZED LINK LAYER

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ADDRESS EXTENSION

ABSTRACT

The present invention supports a generalized link-layer address extension
10 for an information packet transmission on an IP mobility system. In the
invention, a link-layer address for a node can be communicated in any
information packet rather than confined to a specialized message format. The
link-layer address can be used in link-layer routing protocols to simplify mobile
IP hand-offs and routing, reducing overhead data traffic and allowing more
15 efficient use of network resources.